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APPLICATION N	10.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/791,617 03/		03/02/2004	Mohammad H.S. Amin	706700-999186	5896
20583	7590	10/06/2004		EXAMINER	
JONES I			CRANE, SARA W		
NEW YO	T 41ST ST DRK, NY	10017		ART UNIT	PAPER NUMBER
	·		2811		
			DATE MAIL ED: 10/06/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	No.	Applicant(s)					
		10/791,617		AMIN ET AL.					
	Office Action Summary	Examiner		Art Unit					
•		Sara W. Cra		2811					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)	Responsive to communication(s) filed on	<u>_</u> .							
2a)□	This action is FINAL . 2b)⊠ This action is non-final.								
3)□	- · · · · · · · · · · · · · · · · · · ·								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
5)⊠ 6)⊠	Claim(s) 1, 53-65 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 53-65 is/are allowed. Claim(s) 1 is/are rejected. Claim(s) is/are objected to.								
Applicat	ion Papers								
9) The specification is objected to by the Examiner.									
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.									
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. § 119									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
Attachmer	nt(s)								
2) Notice 3) Infor	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 er No(s)/Mail Date 2 March 2004	3)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite	⁻ O-152)				

Application/Control Number: 10/791,617

Art Unit: 2811

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claim 1 is rejected under 35 U.S.C. 102(a) as being anticipated by Berggren at al.

The reference discusses substantial magnetic coupling between control and qubit chips (page 122, first sentence under "Experiment"), as well as mutual inductance. If there is mutual inductance, then the magnetic field will induce current flow, so this would be a means for applying currents. And if currents are induced to flow, then any resistance will be associate with voltage drops, so voltages would be applied as well. Any interaction would be the performance of an operation on the qubit. So claim 1 is anticipated.

Allowable Subject Matter

Claims 53-65 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Crane, whose telephone number is (571) 272-1652.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist, whose telephone number is (571) 272-1562.

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Art Unit: 2811

Sara W. Crane
Primary Examiner
Art Unit 2811